

REMARKS

Claims 1-27 are currently pending. Claims 1-27 were rejected. Claims 15-27 are cancelled. Claims 28-30 are new. Claims 1-14 and 28-30 are currently pending. Claims 28-30 incorporate some but not all of the features recited in cancelled claims 15-27. No new matter has been added.

Amendments to the Specification

The specification was amended to specifically identify the related application (Attorney Docket Number VP087) by inserting the patent application number. No new matter has been added.

Information Disclosure Statement

The applicant respectfully requests that the examiner review the information disclosure statement, form PTO-1449 and the cited references which were filed along with the initial application papers.

Claim Rejections

Claims 1-2, 4, 6-10 and 12-14 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. patent 5,920,322 issued to Ulichney (hereinafter Ulichney). Claims 3, 5, 11 and 15-21 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Ulichney in view of U.S. patent application publication no. 2003/0007686 by Roever (hereinafter Roever). Claims 22-27 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Ulichney. Claims 15-27 have been cancelled.

Claim 1 recites a method for converting between color space formats. A first color space format is identified. Both an offset parameter and a scale parameter associated with the first color space format are selected. A conversion matrix configured to convert values associated with the first color space format to a second color space format is identified. It is determined when to apply the offset parameter and the scale parameter in relation to application of the conversion matrix.

The examiner rejected claim 1 in view of Ulichney. The applicant respectfully rejects the examiner's rejection of claim 1. Ulichney disclose a

method for converting YUV to RGB (see title; column 2, lines 3-5; and column 6, lines 1-2). The conversion method includes the creation of 3 look up tables (see column 2, lines 6-8; and column 6, lines 3-9). Ulichney does not disclose the step of identifying a color space format as recited in claim 1 and suggested by the examiner. Instead, Ulichney is directed exclusively towards the conversion of YUV to RGB, and does not suggest or disclose identifying a first color space. For at least this reason claim 1 is allowable over the cited art.

Ulichney further discloses a color adjustment system for adjusting the color of the RGB signals (column 17, lines 1-5). Ulichney disclose incorporating the color adjustment system into the method of creating the look up tables (column 17, lines 5-6). Ulichney discloses that the inputs to the color adjustment system are: slope, offset, sense of the input and output signal, and sign conversion of the chrominance components (column 17, lines 6-10). Ulichney discloses that the slope is used to control contrast and saturation (column 17, lines 45-48). Ulichney discloses that the offset is used to control brightness and white balance (column 17, lines 64-68). Ulichney discloses using two variables to indicate the sense (i.e. the polarity) of the input and output signals (column 18, lines 12-15). Ulichney discloses using the inputs of the color adjustment system to define a transform curve which controls the relationship between the input video signals and the adjusted video signals (column 18, lines 45-46). Ulichney discloses a particular conversion matrix for converting YUV pixels to RGB pixels (column 7, lines 1-14).

The examiner stated that “Ulichney teaches determining when to apply the offset parameter and the scale parameter in relation to application of the conversion matrix.” The applicants respectfully disagree with the examiner’s statement. Ulichney teaches merely the use of offset parameters and scale parameters but not whether to apply these parameters before or after applying the conversion matrix. Thus, Ulichney does not teach all of the features recited in claim 1. This is an additional reason as to why claim 1 is allowable over the cited art.

Claim 9 was rejected for substantially the same reason as claim 1. Claim 9 is allowable at least for the same reasons as claim 1. Claims 2-8, 10-14, and 28-30 are allowable at least because they are dependent upon allowable base claims.

In view of the foregoing amendments and remarks, Applicants respectfully request favorable reconsideration of the present application.

Respectfully submitted,

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